Multiple Tenure-Track and Tenured Faculty Positions

Department of Mechanical Engineering

Position Summary:

The department of mechanical engineering (me.eng.ua.edu) at The University of Alabama invites qualified candidates for multiple tenure-track or tenured faculty positions at the assistant, associate or full professor ranks. Exceptional candidates with specializations relevant to convergent and emerging areas of mechanical engineering in two broad tracks of thermofluids science and mechanical and manufacturing systems will be considered. Under the thermofluids science track, particular attention will be given to candidates with research interests in cyber-physical energy systems and sustainable energy as well as environment and carbon mitigation. Under the mechanical and manufacturing systems track, candidates with expertise in human biomechanics, human movement and human-technology frontier applications, as well as advanced manufacturing and modeling and control of complex cyber-physical systems will be given serious consideration. The department has established a strong track record and strengths in these areas as evidenced by the fast rise in the number of faculty, externally-funded research and collaboration with major industrial companies.

Information about ME Department, COE and University of Alabama:

The department has more than 1,750 undergraduate and 120 graduate students in masters and doctoral programs. The present faculty size of 28 is expected to significantly grow over the next several years through this search and other planned faculty hires. The department is comprised of three main groups — thermofluids science, dynamic systems and control, and materials processing and manufacturing — with research clusters and state-of-the-art laboratories in internal combustion engines, thermal and building energy, human-machine interaction and soft robotics, additive manufacturing, nanomechanical characterization, bio-inspired nanocomposite, and automotive engineering, just to name a few. With total annual sponsored program awards of about $6 million, the department is home to several federal and state-funded centers. Mechanical engineering is one of seven departments in UA’s fully accredited College of Engineering, which has more than 6,000 students and is home to over 150 tenured or tenure-track faculty. The College also houses nine research centers and is active in the University’s four new research institutes — the Alabama Transportation Institute, Alabama Water Institute, Alabama Cyber Institute and Alabama Life Research Institute. The College occupies well over 500,000 square feet of state-of-the-art facilities, including the $300 million Shelby Engineering and Science Quadrangle completed in 2014 and the newly reopened $22 million renovated H.M. Comer.

Established in 1831, The University of Alabama currently enrolls more than 38,000 students and employs more than 1,700 full and part-time faculty members in 13 colleges and schools. In 1837, UA became one of the first five universities in the nation to offer engineering classes. Today, UA is the fastest growing flagship university in the nation and the second fastest growing public university. The University has ranked among the top 60 public universities in the nation in U.S. News and World Report’s annual college rankings for more than a decade, and ranked 51st among public universities in the 2018 rankings. The University is located in Tuscaloosa, Alabama, with a metropolitan population of more than 150,000.

Application Submission Process:

Applicants must have a doctorate in mechanical engineering or a closely related field by the date of appointment. Industrial experience is desirable, and collaboration with other departments in the College is expected. Applicants must show the potential to establish an independent quality research program, collaborate effectively with other faculty and excel in teaching at both the graduate and undergraduate levels. For consideration at the associate or full professor levels, applicants must demonstrate strong records in external funding, publication and a doctoral students graduation rate commensurate with this level of appointment.

For the associate and full professor position, applicants should apply at facultyjobs.ua.edu/postings/44103. For the assistant professor position, applicants should apply at facultyjobs.ua.edu/postings/44038. Required application documents include a letter of application, a detailed CV, statements of research and teaching interests and a list of at least three professional references.

Inquiries about the position or additional information should be addressed to Dr. Nader Jalili, professor and department head, via njalili@ua.edu or calling (205) 348-1645. Review of applications will begin Dec. 1, 2018, and will continue until the positions are filled.